

NUCLEIC ACID BINDING PROTEINS

ABSTRACT OF THE DISCLOSURE:

The invention provides a method for preparing a nucleic acid binding protein of the Cys2-His2 zinc finger class capable of binding to a nucleic acid quadruplet in a target nucleic acid sequence, wherein binding to base 4 of the quadruplet by an alpha-helical zinc finger nucleic acid binding motif in the protein is determined as follows: if base 4 in the quadruplet is A, then position +6 in the alpha-helix is Glu, Asn or Val; if base 4 in the quadruplet is C, then position +6 in the alpha-helix is Ser, Thr, Val, Ala, Glu or Asn.